## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002703

		003/002/03
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> G01C21/36, G08G1/0969, G09B29/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> G01C21/00-21/36, G01C23/00-25/00, G08G1/00-9/02,  G09B29/00-29/14		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where ap		Relevant to claim No.
A 01 October, 1996 (01.10.96), Par. Nos. [0012], [0013], [00 & WO 1993/007447 A1 & EP	Par. Nos. [0012], [0013], [0018], [0019] & WO 1993/007447 A1         & EP 560987 A1	
Y JP 2002-056110 A (Alpine Ele		
Y JP 2001-165693 A (Toshiba Co A 22 June, 2001 (22.06.01), Par. Nos. [0072] to [0085] & US 6339746 B1	orp.),	1,4,7-9 2,3,5,6
		<u> </u>
Further documents are listed in the continuation of Box C. See patent family annex.		
** Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is		cation but cited to understand invention
		dered to involve an inventive
cited to establish the publication date of another citation or other special reason (as specified)  O document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family	
Date of the actual completion of the international search 17 May, 2005 (17.05.05)	Date of mailing of the international search report 31 May, 2005 (31.05.05)	
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.	<u> </u>